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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=10; day=20; hr=13; min=53; sec=13; ms=844;
]

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Application No: 10505171 Version No: 2.0

Input Set:**Output Set:**

Started: 2009-10-01 15:37:47.371
Finished: 2009-10-01 15:37:49.478
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 107 ms
Total Warnings: 37
Total Errors: 1
No. of SeqIDs Defined: 40
Actual SeqID Count: 40

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 201	Mandatory field data missing in <223> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

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Output Set:

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Actual SeqID Count: 40

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> AMANO ENZYME INC.

<120> Modified promoter

<130> P0200102

<140> 10505171

<141> 2004-08-31

<150> JP P2002-055853

<151> 2002-03-01

<150> JP P2002-354670

<151> 2002-12-06

<160> 40

<170> PatentIn version 3.5

<210> 1

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: an enhancer sequence

<220>

<221> misc_feature

<222> (6)..(11)

<223> n stands for any base.

<400> 1

ccaatnnnnn n

11

<210> 2

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: an enhancer sequence

<220>

<221> misc_feature

<222> (4)..(12)

<223> n stands for any base.

<400> 2

cggnnnnnnn nngg

14

<210> 3
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 3
ccaattagaa g 11

<210> 4
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<220>
<221> misc_feature
<222> (5)..(5)
<223> n stands for any base.

<220>
<221> misc_feature
<222> (10)..(10)
<223> n stands for any base.

<400> 4
cgghnwwwn whgg 14

<210> 5
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 5
cggwwwwww whgg 14

<210> 6
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: an enhancer sequence

<400> 6
 cggaatttta aagg 14

<210> 7
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: an enhancer sequence

<400> 7
 cggaatttaa acgg 14

<210> 8
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: an enhancer sequence

<400> 8
 cggaatttta acgg 14

<210> 9
 <211> 128
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:a DNA fragment including CCAAT
 sequence and SRE

<400> 9
 ccaattagaa gcagcaaagc gaaacagccc aagaaaaagg tcggcccgtc ggccttttct 60

 gcaacgctga tcacgggcag cgateccaacc aacaccctcc agagtgacta ggggcggaaa 120

 tttaaagg 128

<210> 10
 <211> 196
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:a DNA fragment including CCAAT
 sequence and SRE

<400> 10
 ctgcagacca cctctaggca tcggacgcac catccaatta gaagcagcaa agcgaaacag 60

cccaagaaaa aggtcggccc gtcggccttt tctgcaacgc tgatcacggg cagcgatcca 120
 accaacaccc tccagagtga ctaggggcgg aaattttaaag ggattaattt ccactcaacc 180
 acaaatcaca ctgcag 196

<210> 11
 <211> 193
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:a DNA fragment including CCAAT
 sequence and SRE

<400> 11
 ctcgagaggc atcggacgca ccatccaatt agaagcagca aagcgaaaca gccaagaaa 60
 aaggcggcc cgtcggcctt ttctgcaacg ctgatcacgg gcagcgatcc aaccaacacc 120
 ctccagagtg actaggggcg gaaatttaaa gggattaatt tccactcaac caaaaatcac 180
 agtcggcggc cgc 193

<210> 12
 <211> 615
 <212> DNA
 <213> Aspergillus oryzae

<220>
 <221> promoter
 <222> (1)..(615)
 <223>

<400> 12
 gaattcatgg tgttttgatc attttaaatt tttatatggc gggcggggg caactcgctt 60
 cggggcaact cgcttaccga ttacgttagg gctgatattt acgtaaaaat cgtcaaggga 120
 tgcaagacca aagtagtaaa acccggaggt caacagcatc caagcccaag tccttcacgg 180
 agaaacccca gcgtccacat cgcgagcgaa ggaccacctc taggcatcgg acgcaccatc 240
 caattagaag cagcaaagcg aaacagccca agaaaaaggt cggcccgtcg gccttttctg 300
 caacgctgat cgcgggcagc gatccaacca acaccctcca gagtgactag gggcggaaat 360
 ttaaagggat taatttccac tcaaccacaa atcacagtcg tccccgggat tgtcctgcag 420
 aatgcaattt aaactcttct gcgaatcgct tggattcccc gccctggcc gtagagctta 480
 aagtatgtcc cttgtcgatg cgatgtatca caacatataa atactagcaa gggatgccat 540
 gcttgaggga tagcaaccga caacatcaca tcaagctctc ctttctctga acaataaacc 600

ccacagaagg cattt

615

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: a PCR primer designed for amplifying CCAAT sequence

<400> 13

ccgctcgagg caccatccaa ttagaagcgc ggccgctaaa ctat

44

<210> 14

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: a PCR primer designed for amplifying CCAAT sequence

<400> 14

atagtttagc ggccgcgctt ctaattggat ggtgcctcga gcgg

44

<210> 15

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: a PCR primer designed for amplifying SRE

<400> 15

gactagttaa cctaggggcg gaaatttaac gggatgttaa ctagtc

46

<210> 16

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: a PCR primer designed for amplifying SRE

<400> 16

gactagttaa catcccgtaa aatttccgcc cctagggttaa ctagtc

46

<210> 17

<211> 30

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: a PCR primer designed for amplifying a DNA fragment including CCAAT sequence and SRE

 <400> 17
 aaactgcaga ccacctctag gcatcggacg 30

 <210> 18
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: a PCR primer designed for amplifying a DNA fragment including CCAAT sequence and SRE

 <400> 18
 tttctgcagt gttgatttgt ggttgagtgg 30

 <210> 19
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: a PCR primer designed for amplifying a DNA fragment including CCAAT sequence and SRE

 <400> 19
 cggtcgcagg catcggacgc accatcc 27

 <210> 20
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: a PCR primer designed for amplifying a DNA fragment including CCAAT sequence and SRE

 <400> 20
 atagtttagc ggccgccgac tgtgatttgt ggttgagtgg 40

 <210> 21
 <211> 45
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: a primer for site-directed mut

agenesis

<400> 21
cgcttgatt ccccgccgc gccgcagag cttaaagtat gtccc 45

<210> 22
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 22
gaatgcaatt taaactcttc ctcgagtcgc ttggattccc cgccc 45

<210> 23
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 23
gtagtaaaac cccggagtca gcggccgcca agcccaagtc cttcacg 47

<210> 24
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 24
cgtcaaggga tgcaagactc gagtagtaaa accccggagt c 41

<210> 25
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 25
gcaccatcca attagaagcg cgccgcgaa acagcccaag aaaaagg 47

<210> 26
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 26
taaagtatgt cactagtcga tgcgat 26

<210> 27
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a primer for site-directed mutagenesis

<400> 27
taggggcgga atttaaacgg gattaa 26

<210> 28
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for amplifying a DNA fragment including CCAATsequence

<400> 28
gaagatctct gtttcgcttt gctgcttc 28

<210> 29
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:a PCR primer designed for amplifying a DNA fragment including SRE

<400> 29
gaagatcttc cagagtgact aggggcgg 28

<210> 30
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:a partialy modified SRE

<400> 30
cggaattta atta 14

<210> 31
<211> 29
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:a PCR primer designed for mutating SRE

<400> 31
ggggcgga ttaacggga ttaatttc 29

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:a PCR primer designed for mutating SRE

<400> 32
cggaattta attagattaa tttcc 25

<210> 33
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:a PCR primer

<400> 33
tatgtcgacc caagcgctg ctggaattga 30

<210> 34
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:a PCR primer

<400> 34
gaaaagcttg atcaataccg tacgggagat 30

<210> 35
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:a PCR primer

 <400> 35
 ggaattcatg gtgttttgat c 21

<210> 36
 <211> 37
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:a PCR primer

 <400> 36
 gagaccacca cgcgacatgc ataaatgcct tctgtgg 37

<210> 37
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:a PCR primer

 <400> 37
 ccatgcattt ctttatcatt ggag 24

<210> 38
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:a PCR primer

 <400> 38
 ccgagctctg gtatagtatc ttgaatgtat c 31

<210> 39
 <211> 14
 <212> DNA
 <213> Aspergillus niger

 <400> 39
 cggctcttttg tcgg 14

<210> 40
<211> 14
<212> DNA
<213> *Aspergillus oryzae*

<400> 40
cggcgaattc acgg